

**National Starch & Chemical Co.  
Aroostook County  
Island Falls, Maine  
A-274-71-K-M**

**Departmental  
Findings of Fact and Order  
Air Emission License  
Amendment #2**

After review of the air emissions license minor revision application, staff investigation reports and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

**I. REGISTRATION**

**A. Introduction**

1. National Starch & Chemical Company (National Starch) of Island Falls, Maine was issued Air Emission License A-274-71-I-R on November 20, 2000, permitting the operation of emission sources associated with their facility. The license was subsequently amended on May 2, 2001 (A-274-71-J-A).
2. National Starch has requested a minor revision to their license to record the amounts of primary sludge removed from the settling basins along with estimated amounts of dry starch and secondary sludge added to the mixture by a fuel log in lieu of the use of a strip chart recorder.

**II. MODIFICATION DESCRIPTION**

**A. Description of Change**

National Starch has a mixture of three fuels fired into Boiler #1: Waste wood from area saw mills, small amounts of paper, primary and secondary sludge from the facility waste water treatment plant and dry waste starch from the manufacturing operation. Primary sludge is mixed with wood chips and removed from the primary settling basins. This mixture is stacked on a drying pad next to the settling basins. The secondary sludge and dry starch are then mixed with the primary sludge and wood. The material is then moved to the boiler room and fired in Boiler #1.

The original requirement was for National Starch to utilize a strip chart to document the mass of waste starch and wood/paper fired in Boiler #1. Based on the manner in which National Starch handles the material, the use of a strip chart is not feasible. Instead, National Starch has proposed to record the estimated amounts of wood chips, primary and secondary sludge and dry starch fired in the boiler. They are currently recording this information as well as the amount of material sent off-site.

B. Application Classification

The application for National Starch does not include an increase in emissions. Therefore, the license is considered to be a minor revision and has been processed as such.

**ORDER**

The Department hereby grants Air Emission License Minor Revision A-274-71-K-M, subject to the conditions found in Air Emission License A-274-71-I-R, amendment A-274-71-J-A in addition to the following conditions:

**The following shall replace Condition 16(C) of Air Emission License A-274-71-I-R:**

(16) **Boiler #1**

- C. National Starch shall record the estimated amounts of wood chips, primary and secondary sludge and dry starch fired in the boiler. Compliance shall be demonstrated by a use fuel log.  
[MEDEP Chapter 115, BPT]

**The following shall replace Condition 23 of Air Emission License A-274-71-I-R:**

(23) **A. Annual Emission Statement** [MEDEP Chapter 137]

In accordance with MEDEP Chapter 137, the licensee shall annually report to the Department by September 1, the information necessary to accurately update the State's emission inventory by means of:

- 1) A computer program and accompanying instructions supplied by the Department;  
or
- 2) A written emission statement containing the information required in MEDEP Chapter 137.

Reports and questions should be directed to:

Attn: Criteria Emission Inventory Coordinator  
Maine DEP  
Bureau of Air Quality  
17 State House Station  
Augusta, ME 04333-0017

Phone: (207) 287-2437

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**The following are new conditions to license A-274-71-I-R:**

- (27) National Starch shall pay the annual air emission license fee within 30 days of **January 30th** of each year. Pursuant to 38 MRSA §353-A, failure to pay this annual fee in the stated timeframe is sufficient grounds for revocation of the license under 38 MRSA §341-D, subsection 3.  
[38 MRSA §353-A]
- (28) This amendment shall expire concurrently with Air Emission License A-274-71-I-R.  
[MEDEP Chapter 115]

DONE AND DATED IN AUGUSTA, MAINE THIS                      DAY OF                      2003.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: \_\_\_\_\_  
DAWN R. GALLAGHER, COMMISSIONER

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: October 15, 2003

Date of application acceptance: October 21, 2003

Date filed with the Board of Environmental Protection: \_\_\_\_\_

This Order prepared by Mark E. Roberts, Bureau of Air Quality